



# SEQUENCE LISTING

<110> Osteryoung, Katherine W.

<120> Manipulation of Min Genes in Plants

<130> 920905.90041

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<150> 60/130,403

<151> 1999-04-19

<160> 6

<170> PatentIn Ver. 2.1

<210> 1

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<212> DNA

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<222> (1)..(978)

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aat aac cct agc aga cgg agt cca ata cga tcc gtt ctt caa ttt aat	144
Asn Asn Pro Ser Arg Arg Ser Pro Ile Arg Ser Val Leu Gln Phe Asn	
35 40 45	
cgc aaa ccg gaa ctc gcc gga gaa acg ccg cgt atc gtc gtt atc acc	192
Arg Lys Pro Glu Leu Ala Gly Glu Thr Pro Arg Ile Val Val Ile Thr	
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tcc gga aaa ggc ggt gtt gga aag acg aca acc acc gca aat gtc ggt	240
Ser Gly Lys Gly Gly Val Gly Lys Thr Thr Thr Thr Ala Asn Val Gly	
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ctc tct ctc gct cgt tac ggt ttc tca gtt gtc gcc att gac gcc gac	288
Leu Ser Leu Ala Arg Tyr Gly Phe Ser Val Val Ala Ile Asp Ala Asp	
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ctt ggt ctc cgt aac ctc gat ctc ctc cta ggg tta gag aat cga gtc	336
Leu Gly Leu Arg Asn Leu Asp Leu Leu Leu Gly Leu Glu Asn Arg Val	
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aat tac act tgc gtc gag gtt ata aac gga gat tgt cgt ctc gat caa	384
Asn Tyr Thr Cys Val Glu Val Ile Asn Gly Asp Cys Arg Leu Asp Gln	
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 145 150 155 160

gaa tgg ctt gtg gat gcg ttg aaa act aga ccg gaa ggt tca ccg gat 528  
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 Phe Ile Ile Ile Asp Cys Pro Ala Gly Ile Asp Ala Gly Phe Ile Thr  
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gga atc aga gat ata aag atg att gtg aac aga gtg aga act gat atg 720  
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 245 250 255

gga ttg tca ttg ctt ggt gta att cct gaa gat tct gag gtt att cga 816  
 Gly Leu Ser Leu Leu Gly Val Ile Pro Glu Asp Ser Glu Val Ile Arg  
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 275 280 285

gcg gga ttg gcg ttt gag cag gcg gct tgg aga ctc gtt gag caa gat 912  
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agt atg aag gct gtt atg gtg gag gaa gaa cct aag aaa cgt ggc ttc 960  
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 210 215 220  
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 245 250 255  
 Gly Leu Ser Leu Leu Gly Val Ile Pro Glu Asp Ser Glu Val Ile Arg  
 260 265 270  
 Ser Thr Asn Arg Gly Phe Pro Leu Val Leu Asn Lys Pro Pro Thr Leu  
 275 280 285  
 Ala Gly Leu Ala Phe Glu Gln Ala Ala Trp Arg Leu Val Glu Gln Asp  
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aca ttc aat ccc cta cac aaa acc cta act aaa cca aca cca aaa ccc 154  
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cca gag ctc gcc gga gac act cca cga gtc gtc gca atc gac gcc gac 250  
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gtt ggt cta cgt aac ctc gat ctt ctt ctc ggt ctc gaa aac cgc gtc 298  
 Val Gly Leu Arg Asn Leu Asp Leu Leu Leu Gly Leu Glu Asn Arg Val  
 70 75 80

aat tac acc gtc gtt gaa gtt ctc aac ggc gat tgc aga ctc gac caa 346  
 Asn Tyr Thr Val Val Glu Val Leu Asn Gly Asp Cys Arg Leu Asp Gln  
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gcc cta gtt cgt gat aaa cgc tgg tca aat ttc gaa ttg ctt tgt att 394  
 Ala Leu Val Arg Asp Lys Arg Trp Ser Asn Phe Glu Leu Leu Cys Ile  
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tca aaa cct agg tca aaa ttg cct tta gga ttt ggg gga aaa gct tta 442  
 Ser Lys Pro Arg Ser Lys Leu Pro Leu Gly Phe Gly Gly Lys Ala Leu  
 120 125 130

gtt tgg ctt gat gca tta aaa gat agg caa gaa ggt tgc ccg gat ttt 490  
 Val Trp Leu Asp Ala Leu Lys Asp Arg Gln Glu Gly Cys Pro Asp Phe  
 135 140 145

ata ctt ata gat tgt cct gca ggt att gat gcc ggg ttc ata acc gcc 538  
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att aca ccg gct aac gaa gcc gta tta gtt aca aca cct gat att act 586  
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gca ttg aga gat gca gat aga gtt aca ggc ttg ctt gaa tgt gat gga 634  
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 agg ggt gaa gat atg atg tca gtt ctt gat gtt caa gag atg ttg gga 730  
 Arg Gly Glu Asp Met Met Ser Val Leu Asp Val Gln Glu Met Leu Gly  
 215 220 225  
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 Leu Ser Leu Leu Ser Asp Thr Arg Gly Phe Glu Val Ile Arg Ser Thr  
 230 235 240  
 aat aga ggg ttt ccg ctt gtg ttg aac aag cct ccg act tta gca gga 826  
 Asn Arg Gly Phe Pro Leu Val Leu Asn Lys Pro Pro Thr Leu Ala Gly  
 245 250 255  
 ttg gca ttt gag cag gct gct tgg aga ttg gtt gag caa gat agc atg 874  
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 Lys Ala Val Met Val Glu Glu Glu Pro Lys Lys Arg Gly Phe Phe Ser  
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 35 40 45  
 Asn Arg Lys Pro Glu Leu Ala Gly Asp Thr Pro Arg Val Val Ala Ile  
 50 55 60  
 Asp Ala Asp Val Gly Leu Arg Asn Leu Asp Leu Leu Leu Gly Leu Glu  
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 Leu Cys Ile Ser Lys Pro Arg Ser Lys Leu Pro Leu Gly Phe Gly Gly  
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 Lys Ala Leu Val Trp Leu Asp Ala Leu Lys Asp Arg Gln Glu Gly Cys  
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 Pro Asp Phe Ile Leu Ile Asp Cys Pro Ala Gly Ile Asp Ala Gly Phe  
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 Ile Thr Ala Ile Thr Pro Ala Asn Glu Ala Val Leu Val Thr Thr Pro  
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 Asp Ile Thr Ala Leu Arg Asp Ala Asp Arg Val Thr Gly Leu Leu Glu  
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 Cys Asp Gly Ile Arg Asp Ile Lys Met Ile Val Asn Arg Val Arg Thr  
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 Arg Ser Thr Asn Arg Gly Phe Pro Leu Val Leu Asn Lys Pro Pro Thr  
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 Leu Ala Gly Leu Ala Phe Glu Gln Ala Ala Trp Arg Leu Val Glu Gln  
                     260                    265                    270  
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